

PENDING CLAIMS

1-39. (canceled)

40. (previously amended) The vaccine of claim 41 comprising *P. haemolytica* ATCC 55518.

41. (previously amended) A vaccine for inducing protective immunity against *Pasteurella haemolytica* infection, comprising: an isolated *Pasteurella haemolytica* bacterium which comprises a mutation in an *aroA* gene, wherein the mutation attenuates the bacterium.

42. (previously added) The vaccine of claim 41 containing an adjuvant.

43. (previously amended) The vaccine of claim 41 which is formulated for a route of administration selected from the group consisting of intranasal, intratracheal, intramuscular, and intravenous routes of administration.

44. (previously amended) The vaccine of claim 41 which is formulated for subcutaneous injection.

45-66. (canceled)